

Docket No.: 612408001US1  
(PATENT)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

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In re Letters Patent of:  
Li et al.

Patent No.: 8,009,660

Issued: August 30, 2011

For: METHOD AND APPARATUS USING CELL-  
SPECIFIC AND COMMON PILOT  
SUBCARRIERS IN MULTI-CARRIER,  
MULTI-CELL WIRELESS  
COMMUNICATION NETWORKS

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**REQUEST FOR CERTIFICATE OF CORRECTION PURSUANT TO 37 CFR 1.322**

Attention: Certificate of Correction Branch  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Upon reviewing the above-identified patent, Patentee noted typographical errors which should be corrected.

The applicant(s) requests a Certificate of Correction to correct the errors in the above-identified patent, which are listed on the attached Form PTO/SB/44.

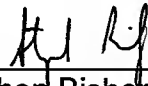
The errors were not in the application as filed by applicant; accordingly no fee is required.

Transmitted herewith is a proposed Certificate of Correction effecting such amendment. Patentee respectfully solicits the granting of the requested Certificate of Correction.

Applicant believes no fee is due with this request. However, if a fee is due, please charge our Deposit Account No. 50-0665, under Order No. 612408001US1 from which the undersigned is authorized to draw.

Dated: 4 Nov 2011

Respectfully submitted,

By   
\_\_\_\_\_  
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## UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO. : 8,009,660

Page 1 of 3

APPLICATION NO.: 10/583,530

ISSUE DATE : August 30, 2011

INVENTOR(S) : Xiaodong Li et al.

It is certified that errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

On the first page, in field (54), in column 1, in "Title", line 1, delete "METHODS" and insert - - METHOD - -, therefor.

In column 1, line 1, delete "METHODS" and insert - - METHOD - -, therefor.

In column 4, line 6, below "slots."

insert - - As depicted in FIG. 1, in a multi-carrier communication system, a generic transmitter may consist of the following functional blocks:

1. Encoding and modulation 108
2. Pilot generation and insertion 106
3. Inverse fast Fourier transform (IFFT) 110
4. Transmission 112 - -.

In column 5, line 55, delete " $2\pi f_i \Delta t = \arg\{s_i(k)s_i(k+1)\} - \beta_i$ " and  
insert - -  $2\pi f_i \Delta t = \arg\{s_i^*(k)s_i(k+1)\} - \beta_i$  - -, therefor.

In column 9, line 37, in claim 1, delete "cells, and," and insert - - cells, - -, therefor.

### MAILING ADDRESS OF SENDER (Please do not use customer number below):

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## UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO. : 8,009,660

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APPLICATION NO.: 10/583,530

ISSUE DATE : August 30, 2011

INVENTOR(S) : Xiaodong Li et al.

It is certified that errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In column 9, line 60-61, in claim 3, delete " $2\pi f_i \Delta t = \arg\{s_i^*(k)s_i(k+1)\} - \beta_i$ ," and insert --  $2\pi f_i \Delta t = \arg\{s_i^*(k)s_i(k+1)\} - \beta_i$  --, therefor.

In column 9, line 63, in claim 3, delete " $\bar{A}\Delta t << a$ " and insert --  $\Delta t << a$  --, therefor.

In column 9, line 67, in claim 3, delete " $\phi_{i,m}(t_k) = \phi_{8,m}(t_{k+1}) + \beta_i$ ," and insert --  $\phi_{i,m}(t_k) = \phi_{i,m}(t_{k+1}) + \beta_i$  --, therefor.

In column 10, line 38, in claim 4, delete " $\Delta f = f_n = f_i$ ," and insert --  $\Delta f = f_n - f_i$  --, therefor.

In column 10, line 51, in claim 5, delete " $\phi_{l,m}(t_k) = \phi_{i,m} + \beta_l$ ," and insert --  $\phi_{l,m}(t_k) = \phi_{l,m}(t_{k+1}) + \beta_l$  --, therefor.

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This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS

TO THIS ADDRESS. **SEND TO: Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

*If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2*

PTO/SB/44 (09-07)

Approved for use through 08/31/2010. OMB 0651-0033

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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## UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO. : 8,009,660

Page 3 of 3

APPLICATION NO.: 10/583,530

ISSUE DATE : August 30, 2011

INVENTOR(S) : Xiaodong Li et al.

It is certified that errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In column 10, line 52, in claim 5, delete " $-\pi \leq \beta_i \leq \beta\pi$ " and  
insert --  $-\pi \leq \beta_i \leq \pi$  --, therefor.

In column 10, line 47, in claim 21, delete "on" and insert -- on the --, therefor.

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